

# X08 MATERIALS OPTIMIZATION | O

WELL Certification: 2 Pt | WELL Core: 2 Pt

**Intent:** Promote the selection of products that have been audited to minimize impacts on human and environmental health.

**Summary:** This WELL feature requires screening and labeling of products in accordance with programs that audit and restrict the use of hazardous ingredient contents in materials and products.

**Issue:** The vast quantity and variety of chemicals flowing through the global economy makes the task of tracing possible environmental and human health impact extremely difficult. In response to growing concerns over hazardous material and product ingredients, a number of screening and certification schemes have been introduced to the market to help differentiate safer alternatives.<sup>1</sup>

**Solutions:** Screening and certification schemes that analyze and restrict the use of hazardous ingredients in building materials— those that are environmental contaminants and/or pose human health hazards—can mitigate exposure to potentially harmful substances, help increase the demand for these products and ultimately catalyze market transformation.<sup>2</sup>

## Part 1 Select Materials with Enhanced Chemical Restrictions

WELL Certification: 1 Pt | WELL Core: 1 Pt

*For All Spaces:*

### *Option 1: Materials selection*

For at least 25 distinct permanently installed products (including flooring, insulation, wet-applied products, ceiling and wall assemblies and systems) and furniture, the following requirements are met:

- a. Have ingredients inventoried to 100 ppm.
- b. Meet one of the following:
  1. Product is free of compounds listed in the Living Building Challenge's Red List v.4.0.<sup>3</sup>
  2. Product meets the chemical thresholds in the Cradle to Cradle Basic Level Restricted Substances List, version 4.<sup>4</sup>
  3. Product does not contain compounds listed in REACH Restriction, Authorization and SHVC lists.
  4. Product meets an optimization path listed under 'Advanced Inventory & Assessment' in Option 2 of LEED v4.1 credit 'Building Product Disclosure and Optimization - Material Ingredients'.<sup>5</sup>

OR-----

### *Option 2: Future purchase of compliant products*

For projects with less than 25 distinct newly and permanently installed products (including flooring, insulation, wet-applied products, ceiling and wall assemblies and systems) and furniture, the following requirement is met:

- a. Products purchased for future repair, renovation or replacement of building materials comply with chemical restrictions of Option 1 'Materials Selection'.

**Note:** For recertification, projects must provide product specification sheets for purchases of eligible products occurring after initial certification.

**WELL Core Guidance:** Meet these requirements for the extent of developer buildout.

## Part 2 Select Optimized Products

WELL Certification: 1 Pt | WELL Core: 1 Pt

*For All Spaces:*

At least 15 distinct products (furniture, flooring, insulation, wet-applied products, ceiling and wall assemblies and systems), as defined in Appendix X1, are certified under one of the following programs:

- a. Cradle to Cradle Certified™ products with a Silver, Gold or Platinum level in the Material Health category or products with a Silver, Gold or Platinum level Material Health Certificate from the Cradle to Cradle Products Innovation Institute.<sup>6</sup>

- b. Living Product Challenge, Materials and Health & Happiness Petals or Living Product Certification, operated by the International Living Future Institute.<sup>7</sup>

**WELL Core Guidance:** Meet these requirements for the extent of developer buildout.

## References

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